

Serial No. 10/792,130
Amendment dated January 8, 2006
Reply to Office Action of July 7, 2006

Docket No. K-0619

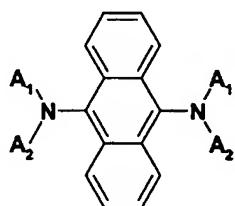
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An organic electroluminescent device, comprising:
 - a substrate;
 - first and second electrodes formed on the substrate; and
 - a light-emitting layer formed between the first electrode and the second electrode, the light-emitting layer containing a green luminescent material represented by using a chemical formula 1 as a dopant:

[Chemical formula 1]



wherein, ~~at least one of~~ A1 and A2 is selected from a substituted or non-substituted aromatic group, a substituted or non-substituted heterocyclic group, ~~a substituted or non-~~ substituted aliphatic group and hydrogen,

Serial No. 10/792,130
Amendment dated January 8, 2006
Reply to Office Action of July 7, 2006

Docket No. K-0619

wherein the light-emitting layer further contains a host material represented by a chemical formula 2:

[Chemical formula 2]

B1-X-B2

wherein the X is selected from the group consisting of ~~naphthalene, fluorene, anthracene, phenanthrene, and pyrene, perylene, quinoline, and isoquinoline~~ and B1 and B2 are individually selected from a group consisting of aryl, ~~alkylaryl, alkoxyaryl, arylallyl, pyridyl, quinolyl, and isoquinolyl and hydrogen.~~

2. (Currently Amended) The organic electroluminescent device of claim 1, wherein wt. % of the material in-of the chemical formula 1 is 0.1 - 49.9wt.% of a total weight of the luminescent light-emitting layer.

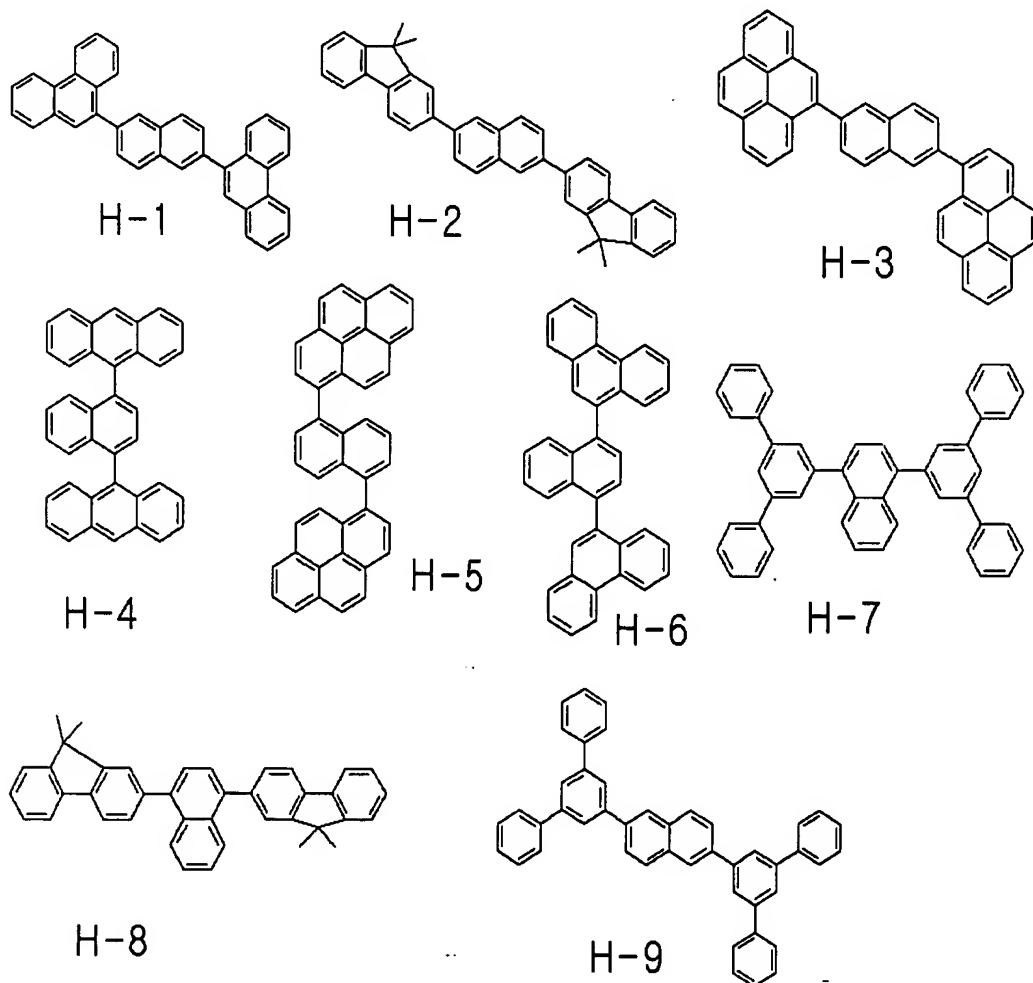
3. (Canceled).

4. (Currently Amended) The organic electroluminescent device of claim 1, wherein at least one of the B1 and B2 is selected from the group consisting of phenyl, biphenyl, pyridyl,

Amendment dated January 8, 2006Reply to Office Action of July 7, 2006

naphthyl, tritylphenyl, biphenylenyl, anthryl, phenanthryl, pyrenyl, perylenyl, quinolyl, isoquinolyl, and fluorenyl, terphenyl, tolyl, xylyl, methylnaphthyl, and hydrogen.

5. (Currently Amended) The organic electroluminescent device of claim 1, wherein the host material is one of following formulas:

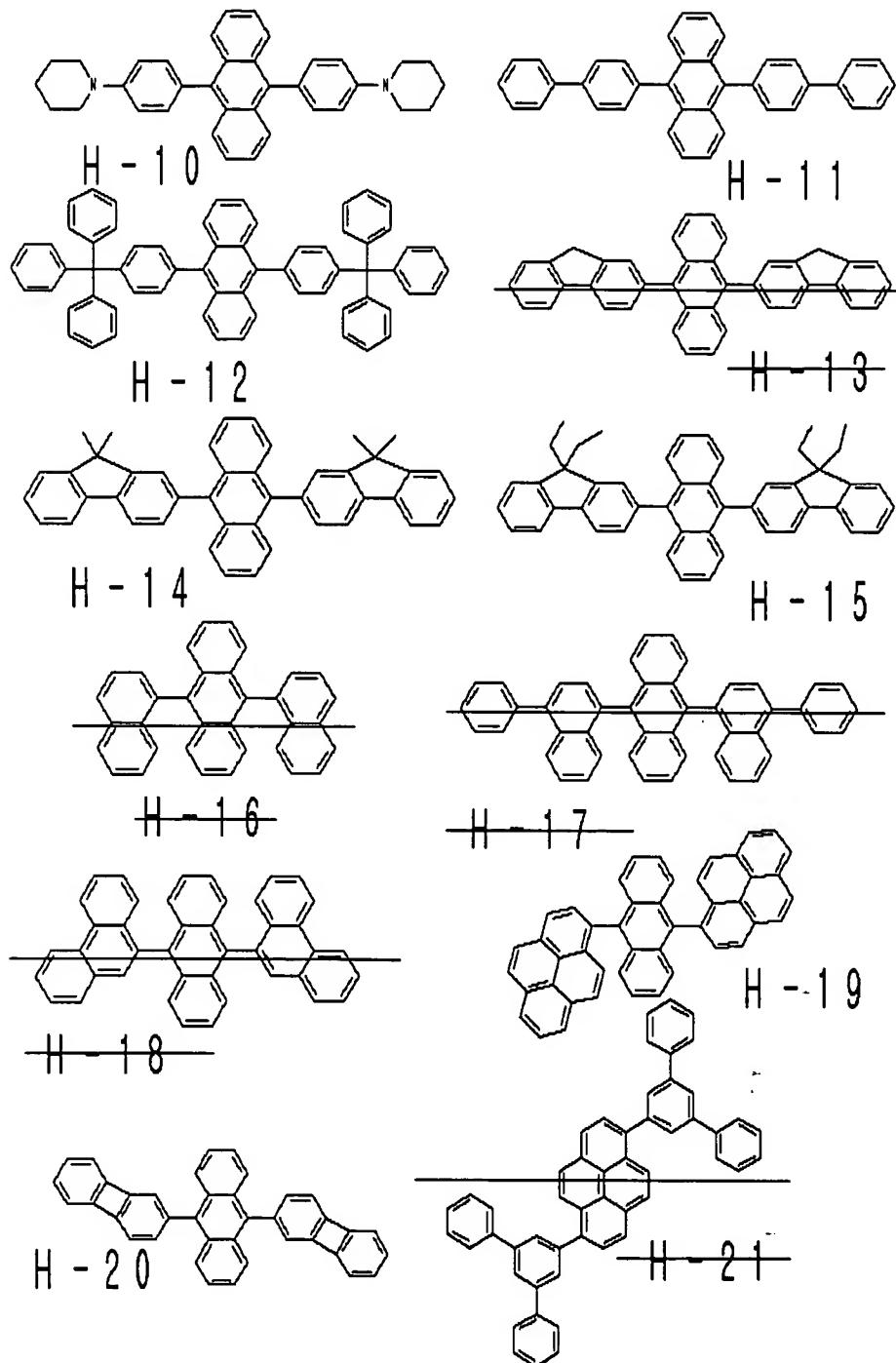


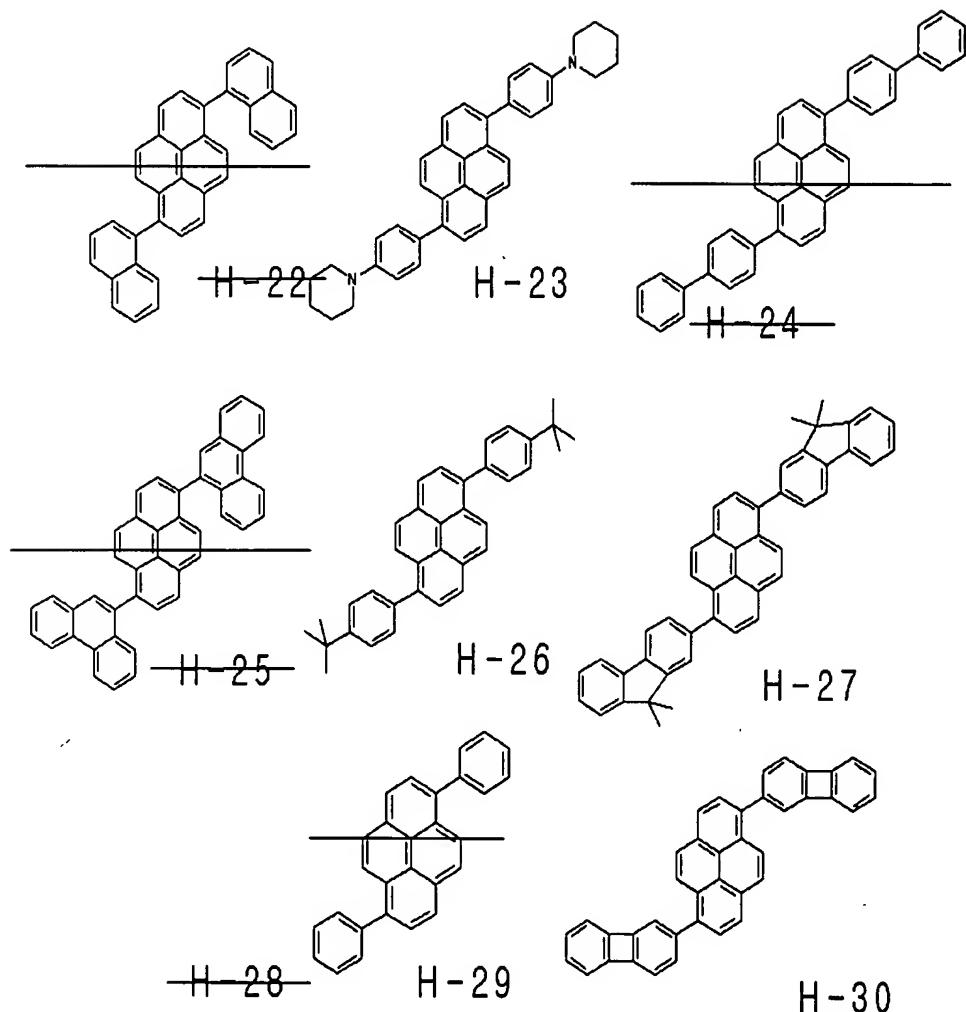
Serial No. 10/792,130

Docket No. K-0619

Amendment dated January 8, 2006

Reply to Office Action of July 7, 2006



Amendment dated January 8, 2006Reply to Office Action of July 7, 2006

6. (Currently Amended) The organic electroluminescent device of claim 1, wherein at least one of the A1 and A2 is selected from phenyl, biphenyl, pyridyl, naphthyl, quinolyl, isoquinolyl, fluorenlyl, terphenyl, methyl, ethyl, propyl, i-propyl, and ~~t-butyl~~t-butyl.

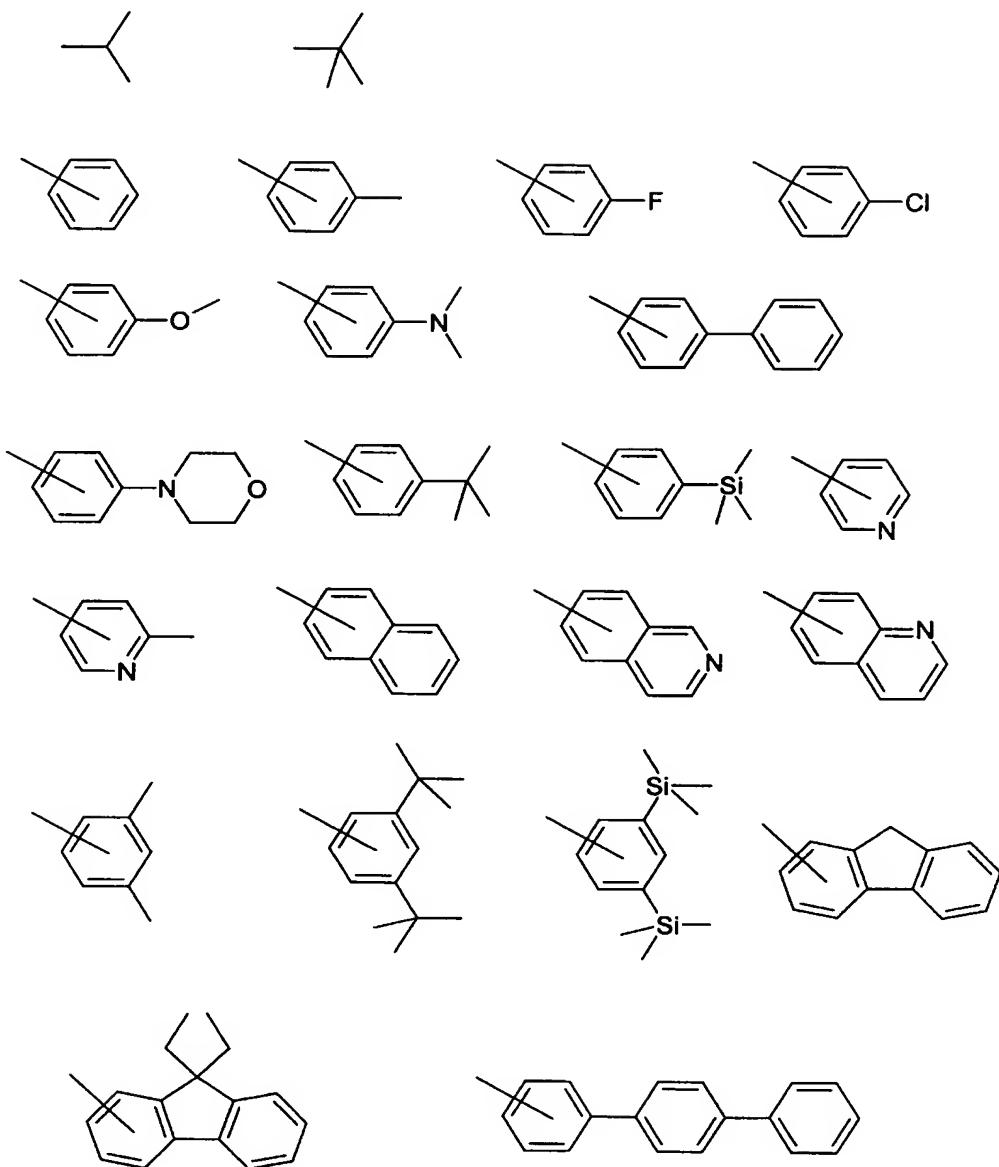
Serial No. 10/792,130
Amendment dated January 8, 2006
Reply to Office Action of July 7, 2006

Docket No. K-0619

7. (Previously Amended) The organic electroluminescent device of claim 1, wherein a substituent of each substituted A1 and A2 is at least one selected from the group consisting of alkyl, aryl, alkoxy, alkylamino, halogen, aryloxy, arylamino, alkylsilyl, arylsilyl and hydrogen.

8. (Currently Amended) The organic electroluminescent device of claim 7, wherein the substituent is one selected from methyl, ethyl, propyl, i-propyl, t-butyl, cyclohexyl, methoxy, ethoxy, propoxy, butoxy, dimethylamino, trimethylsilyl, fluorine, ~~chlorine~~, phenoxy, tolyloxy, dimethylamino, diethylamino, diphenylamino, and triphenylsilyl.

9. (Currently Amended) The organic electroluminescent device of claim 1, wherein at least one of the A1 and A2 is one of following chemical formulas:

Amendment dated January 8, 2006Reply to Office Action of July 7, 2006

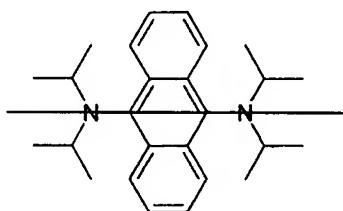
10. (Currently Amended) The organic electroluminescent device of claim 1, wherein the green luminescent material is at least one of following chemical formulas:

Serial No. 10/792,130

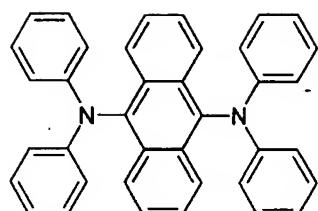
Docket No. K-0619

Amendment dated January 8, 2006

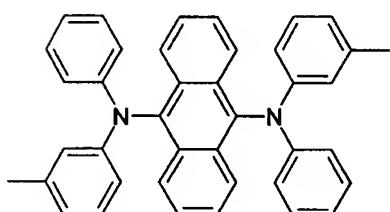
Reply to Office Action of July 7, 2006



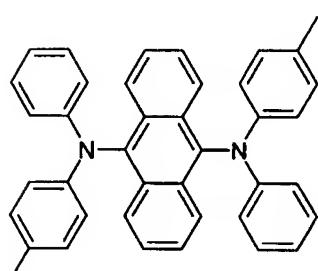
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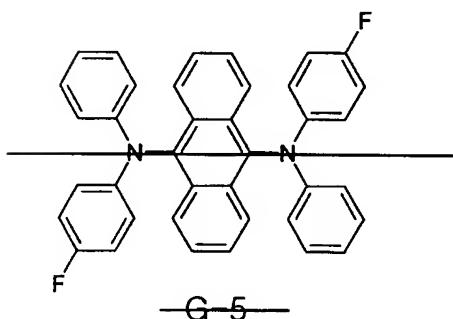
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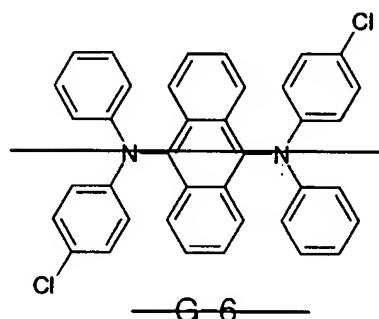
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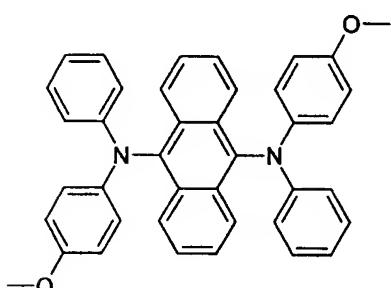
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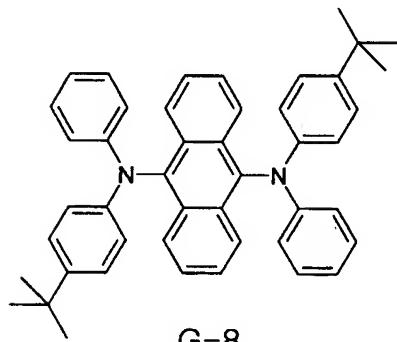
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G-7



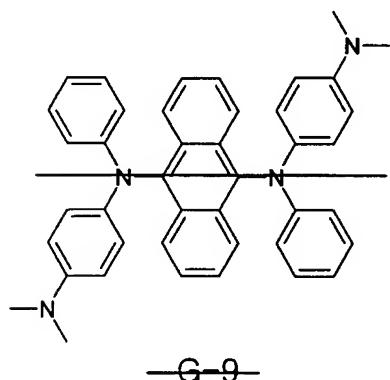
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Serial No. 10/792,130

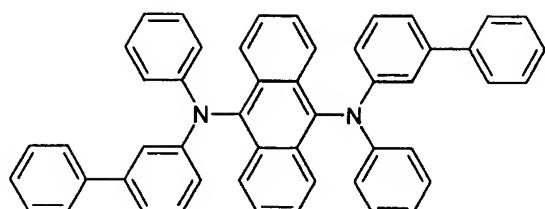
Docket No. K-0619

Amendment dated January 8, 2006

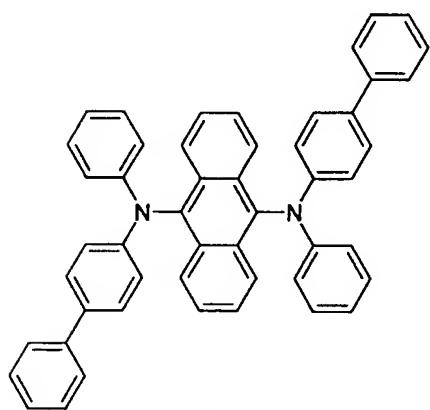
Reply to Office Action of July 7, 2006



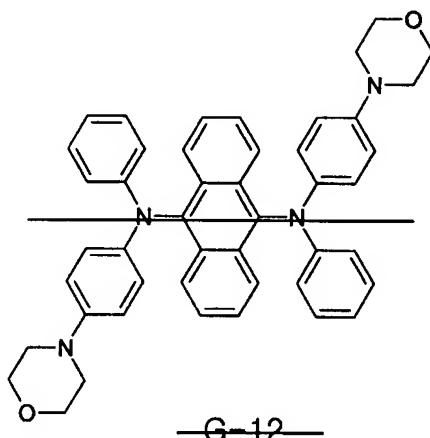
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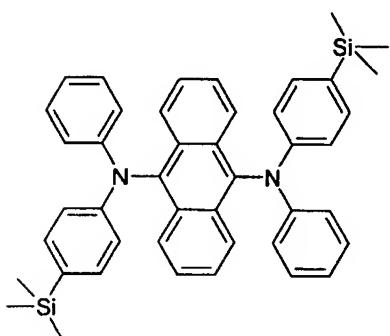
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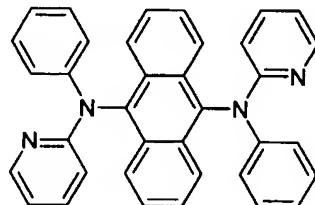
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G-12



G-13



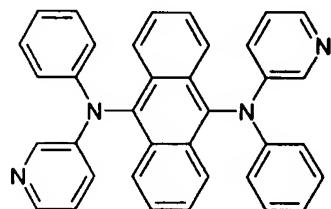
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Serial No. 10/792,130

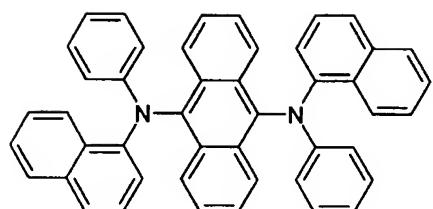
Docket No. K-0619

Amendment dated January 8, 2006

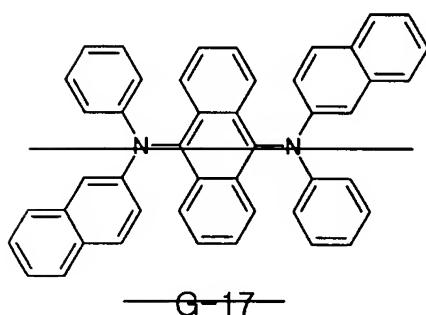
Reply to Office Action of July 7, 2006



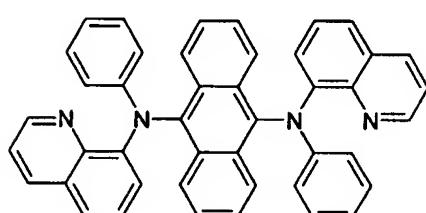
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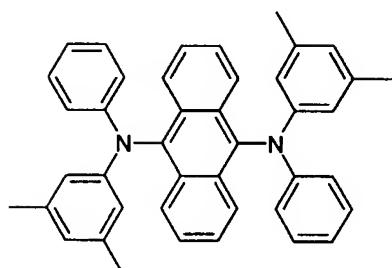
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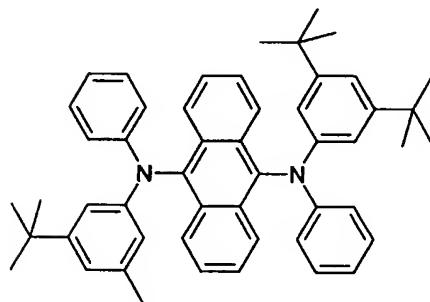
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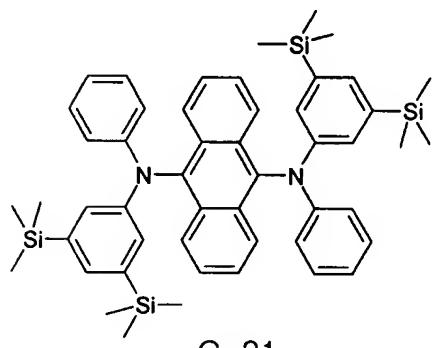
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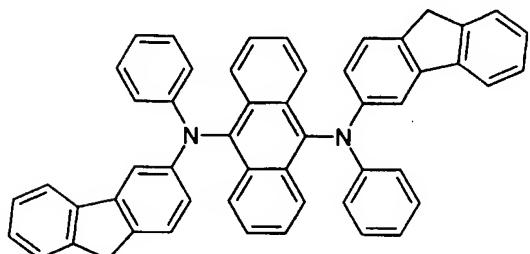
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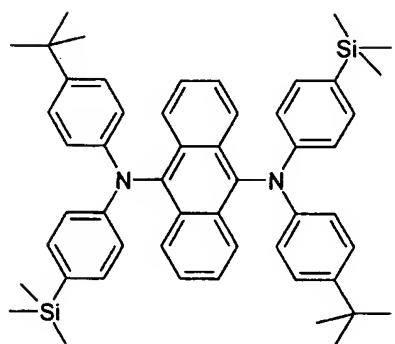
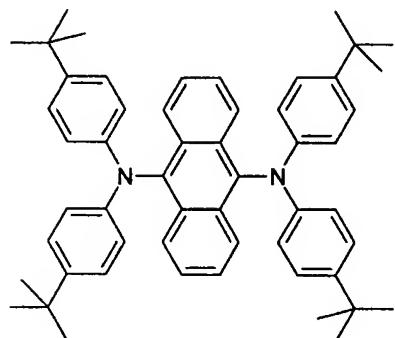
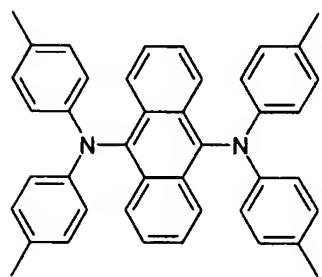
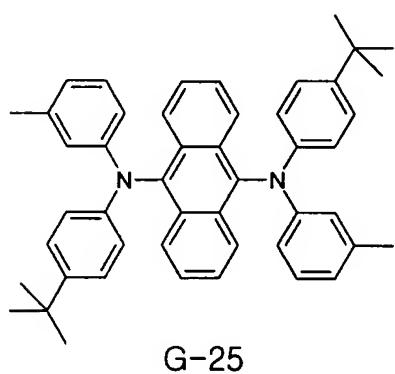
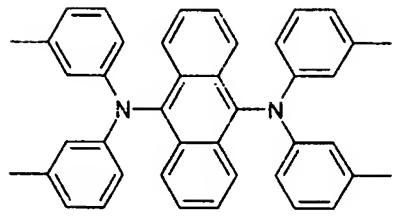
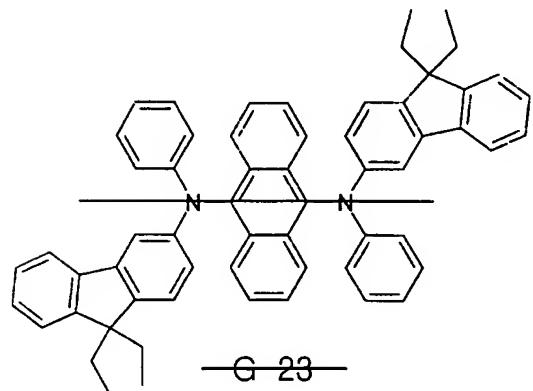
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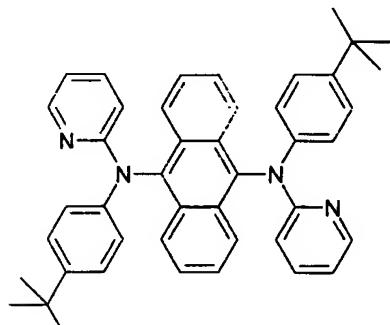
Serial No. 10/792,130
Amendment dated January 8, 2006
Reply to Office Action of July 7, 2006

Docket No. K-0619

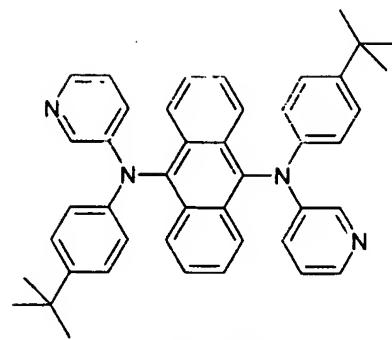


Serial No. 10/792,130
Amendment dated January 8, 2006
Reply to Office Action of July 7, 2006

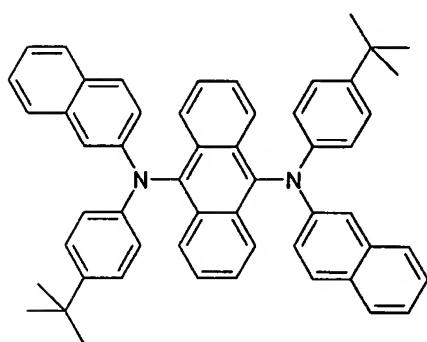
Docket No. K-0619



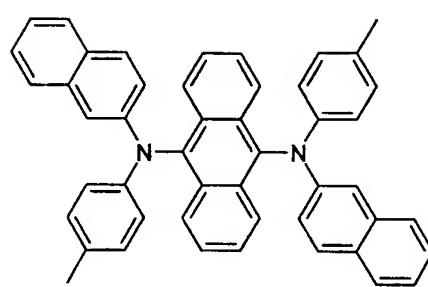
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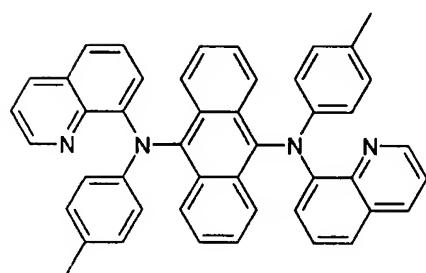
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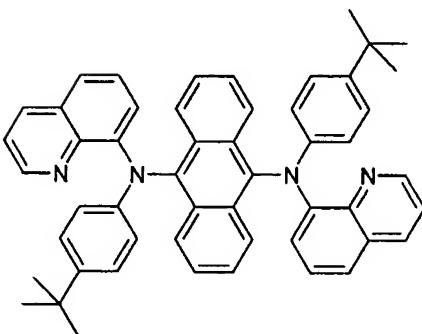
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G-32



G-33



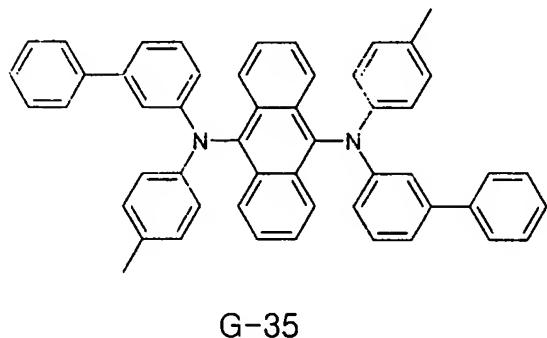
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Serial No. 10/792,130

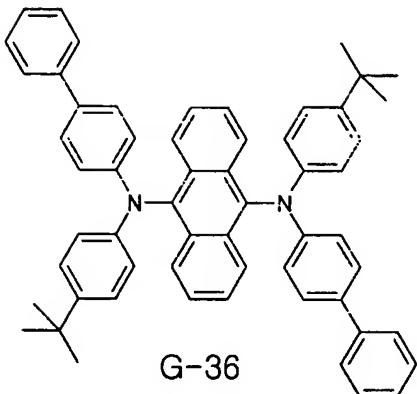
Docket No. K-0619

Amendment dated January 8, 2006

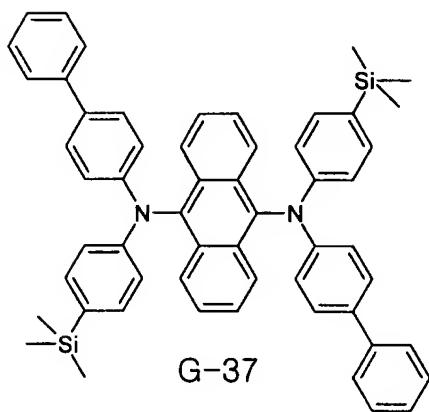
Reply to Office Action of July 7, 2006



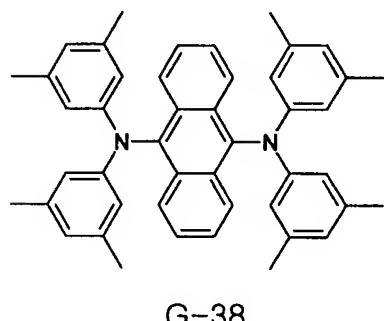
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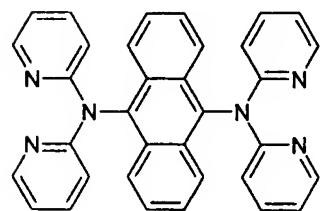
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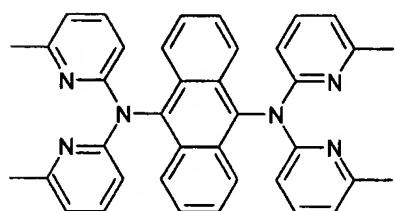
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G-38



G-39



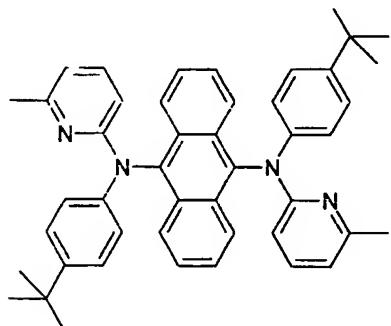
S-40

Serial No. 10/792,130

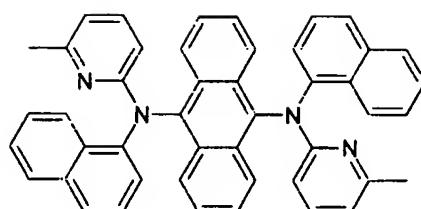
Docket No. K-0619

Amendment dated January 8, 2006

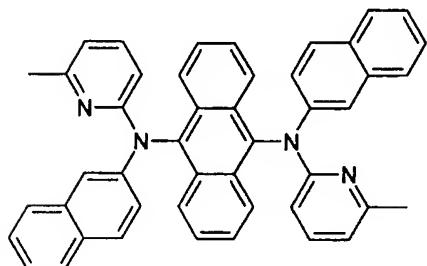
Reply to Office Action of July 7, 2006



G-41



G-42



G-43